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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,813	01/26/2004	Tadaaki Oikawa	FUJI:291	7923
759	90 05/16/2006		EXAMINER	
ROSSI & ASSOCIATES			RICKMAN, HOLLY C	
P.O. Box 826 Ashburn, VA	20146-0826		ART UNIT	PAPER NUMBER
,			1773	
			DATE MAILED: 05/16/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/764,813	OIKAWA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Holly Rickman	1773				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with	the correspondence add	iress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC, 36(a). In no event, however, may a repwill apply and will expire SIX (6) MONTE, cause the application to become ABA	ATION. Oly be timely filed HS from the mailing date of this cor NDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13 F	ebruary 2006.					
2a) This action is FINAL . 2b) ☑ This						
3) Since this application is in condition for allowa	nce except for formal matte	rs, prosecution as to the	merits is			
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-28</u> is/are pending in the application						
4a) Of the above claim(s) 15-28 is/are withdraw	wn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,3-5 and 7-14</u> is/are rejected.						
7) Claim(s) 2 and 6 is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acc	epted or b) objected to b	y the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct						
11)☐ The oath or declaration is objected to by the Ex	xaminer. Note the attached	Office Action or form PT	O-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	119(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
 Certified copies of the priority document 	ts have been received.					
2. Certified copies of the priority document	•	·				
3. Copies of the certified copies of the prior		eceived in this National S	Stage			
application from the International Burea						
* See the attached detailed Office action for a list	of the certified copies not r	eceived.				
Attachment/c)						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) \square Interview Su	ımmary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)	/Mail Date	4.50			
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1/24/06;1/26/04. 	5) Notice of Inf 6) Other:	ormal Patent Application (PTO 	-152)			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election of Group I in the reply filed on 2/13/06 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Claim 15-28 have been withdrawn from consideration.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claim 8 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 8 is rendered indefinite by the terms "Ni3Sn-type" and "Au-Cd-type". The use of the term type renders an otherwise definite expression indefinite. The use of the term 'type' makes it unclear whether the claim is limited to the specific Ni3Sn and AuCd materials.

Claim Interpretation

4. Claim 12 requires a foundation layer that "is made of any material selected from the group of metals...Cr alloys...and the group of Ti alloys." The use of the phrase "is made" indicated that the claim is open to unrecited components in addition to those materials set forth in

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the Markush group. As such, a materials containing one of the recited metals, Ta, Cr, W, Mo, or V, on combination with an unrecited metal (Co for example) would read on the claim.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 1, 3-5, and 7-14 rejected under 35 U.S.C. 102(e) as being anticipated by Ohsawa et al. (US 6936352).

Ohsawa et al. disclose a magnetic recording medium having a bcc underlayer formed from a materials such as Ta having a (110) orientation, an intermediate layer formed thereon formed from materials including Co3W or Ni3Sn, and a granular magnetic layer formed thereon containing additive materials such as Pt or SiO2 (Fig 4; col. 3, lines 17-20; col. 4, lines 6-25; col. 6, lines 39-41; col. 7, lines 29-45; Table 3; col. 10, lines 58-65).

Allowable Subject Matter

7. Claims 2 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The closest prior art to Osawa et al. fails to teach or suggest the

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claimed intermediate materials including Ge and Fe or Mn and FeSn for use in the claimed structure.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kanbe et al. (US 6403240) is cited as art of interest.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Holly Rickman whose telephone number is (571) 272-1514. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571) 272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner

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